

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1-19 (cancelled)

Claim 20 (new): A method for influencing an amine oxidase enzyme activity in an individual, said method comprising administering to said individual a compound comprising one or more sugar moieties, which optionally are aminosubstitutes, and possibly other moieties, wherein said compound is a molecule comprising at least two aminosubstituents, said aminosubstituents being primary, secondary or tertiary amino groups, wherein said aminosubstituents are either attached to one single sugar moiety or attached to several sugar moieties or other moieties of the molecule, or to chains connecting two moieties or to chains being substituents to the molecule.

Claim 21 (new): The method according to claim 20, wherein the aminosubstituents are primary amino substituents (NH_2 -groups) either attached to one single sugar moiety or attached to several sugar moieties or other moieties of the molecule.

Claim 22 (new): The method according to claim 20 wherein the molecule comprises several sugar moieties and/or other moieties.

Claim 23 (new): The method according to claim 20, wherein the compound is an aminoglycoside, especially an aminoglycoside antibiotic.

Claim 24 (new): A method for treatment or prevention of a disease or condition in an individual, benefiting from inhibiting an amine oxidase enzyme, wherein the disease or condition is an inflammatory disease or condition; a disease related to carbohydrate metabolism; a disease

related to aberrations in adipocyte differentiation or function or smooth muscle cell function; or a vascular disease, said method comprising administering of a compound as defined in claim 1 to said individual.

Claim 25 (new): The method according to claim 24 wherein said inflammatory disease or condition is a connective tissue inflammatory disease or condition.

Claim 26 (new): The method according to claim 25, wherein said connective tissue inflammatory disease or condition is selected from the group consisting of ankylosing spondylitis, Reiter's syndrome, psoriatic arthritis, osteoarthritis or degenerative joint disease, rheumatoid arthritis, Sjögren's syndrome, Bechet's syndrome, relapsing polychondritis, systemic lupus erythematosus, discoid lupus erythematosus, systemic sclerosis, eosinophilic fasciitis, polymyositis and dermatomyositis, polymyalgia rheumatica, vasculitis, temporal arteritis, polyarteritis nodosa, Wegner's granulomatosis, mixed connective tissue disease, and juvenile rheumatoid arthritis.

Claim 27 (new): The method according to claim 24 wherein said inflammatory disease or condition is a gastrointestinal inflammatory disease or condition.

Claim 28 (new): The method according to claim 27 wherein the gastrointestinal inflammatory disease or condition is selected from the group consisting of Crohn's disease, ulcerative colitis, irritable bowel syndrome (spastic colon), fibrotic conditions of the liver, inflammation of the oral mucosa (stomatitis), and recurrent aphthous stomatitis.

Claim 29 (new): The method according to claim 24 wherein said inflammatory disease or condition is a central nervous system inflammatory disease or condition.

Claim 30 (new): The method according to claim 29, wherein said central nervous system inflammatory disease or condition is selected from the group consisting of multiple sclerosis, Alzheimer's disease, and ischemia-reperfusion injury associated with ischemic stroke.

Claim 31 (new): The method according to claim 24 wherein said inflammatory disease or condition is a pulmonary inflammatory disease or condition.

Claim 32 (new): The method according to claim 31, wherein said pulmonary inflammation disease or condition is selected from the group consisting of asthma, chronic obstructive pulmonary disease, and adult respiratory distress syndrome.

Claim 33 (new): The method according to claim 24, wherein said inflammatory disease or condition is a skin inflammatory disease or condition.

Claim 34 (new): The method according to claim 33, wherein said skin inflammatory disease or condition is selected from the group consisting of contact dermatitis, atopic dermatitis, psoriasis, pityriasis rosea, lichen planus, and pityriasis rubra pilaris.

Claim 35 (new): The method according to claim 24, wherein the inflammatory condition is related to tissue trauma or resulting from organ transplantations or other surgical operations.

Claim 36 (new): The method according to claim 24, wherein said disease related to carbohydrate metabolism is selected from the group consisting of diabetes, atherosclerosis, vascular retinopathies, retinopathy, nephropathy, nephrotic syndrome, polyneuropathy, mononeuropathies, autonomic neuropathy, foot ulcers or joint problems.

Claim 37 (new): The method according to claim 24, wherein said disease relating to aberrations in adipocyte differentiation or function or smooth muscle cell function is selected from the group consisting of atherosclerosis and obesity.

Claim 38 (new): The method according to claim 24, wherein said vascular disease is selected from the group consisting of atheromatous atherosclerosis, nonatheromatous atherosclerosis, ischemic heart disease, peripheral arterial occlusion, thromboangiitis obliterans (Buerger's disease), and Raynaud's disease and phenomenon.